# eSATA II-150 PCI
# Quick Installation Guide

## Introducing the *eSATA II-150 PCI*

The *eSATA II-150 PCI* is an ultra high-speed dual channel Serial ATA Generation 2 controller for use in PCI enabled systems.

### Features and Benefits

- Adds two external (eSATA) ports to your desktop computer for external drive connections
- New Serial ATA cable – easier to install & provides better air circulation
- Supports two SATA channels and data transfer rate up to 1.5Gb/s (150MB/s)
- Supports Native Command Queuing (NCQ) and SATA TCQ commands
- Onboard bus master engine relieves the system processor from book keeping and enhances performance
- Features independent 256-byte FIFOs per channel for host reads and writes
- Breaks the 137GB barrier! Works with various brands of large capacity Serial ATA hard disks
- Supports SATA hard disk hot-plugging
- Compliant with PCI 2.3 and eSATA (external SATA) connector specifications
- Compliant with Serial ATA 1.0 specifications and complement of SATA II optional features

## System Requirements

- Pentium or equivalent PC with an available PCI slot
- Windows 2000/XP/Server 2003

## Package Contents

- *eSATA II-150 PCI*
- Driver CD
- This quick installation guide

## Layout

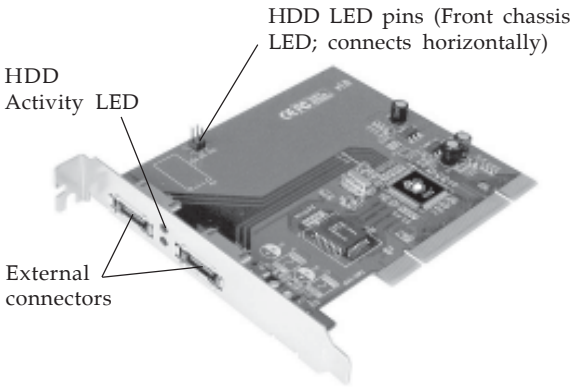


**Figure 1. eSATA II-150 PCI Board Layout**

# Hardware Installation

General instructions for installing the card are provided below. Since the design of computer cases and motherboards vary, refer to your computer's reference manual for further information, if needed.

Static Electricity Discharge may permanently damage your system. Discharge any static electricity build up in your body by touching your computer's case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

1. Turn OFF the power to your computer and any other connected peripheral devices.
2. Unplug the power cord from the back of the computer.
3. Remove your computer's cover.
4. Remove the slot bracket from an available PCI slot.
5. To install the card, carefully align the card's bus connector with the selected PCI slot on the motherboard. Push the board down firmly, but gently, until it is well seated.
6. Replace the slot bracket's holding screw to secure the card.
7. If needed, connect the HDD LED pins to monitor HDD activity from the front panel of your chassis.
8. Replace the computer cover and reconnect the power cord.

## Driver Installation

This section provides information on how to install the *eSATA II-150 PCI* drivers for the following operating systems.

### Windows 2000

#### New Windows 2000 Installation

A new installation of Windows 2000 requires a floppy disk for the driver installation. To make this floppy disk, copy the **contents** of the **Floppy** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow the Microsoft procedures to install Windows 2000 accordingly.

2. Restart your system when prompted during Windows' installation.
3. At the **Windows 2000 Setup** screen, press **F6** to install the driver.
4. Insert the driver diskette. Press **S**, then press **Enter**.
5. Select **INITIO INIC1620 S-ATA Adapter For Windows 2000** and press **Enter**.
6. Press **Enter** to continue and follow on-screen instructions to complete the installation.

**Existing Windows 2000 Installation**

1. Install the board and boot up Windows.
2. At the **Found New Hardware Wizard**, click **Next**.
3. Select **Search for a suitable driver for my device (recommended)** and click **Next**.
4. Insert the driver CD, check **CD-ROM drives**, uncheck the other boxes, and click **Next**. Click **Next** again to continue.
5. Click **Yes**, then click **Finish.**

> **Note**: Our driver has been thoroughly tested in Windows for stability.

6. Restart Windows to complete the driver installation.

## Windows XP/Server 2003

**New Windows XP/Server 2003 Installation**

A new installation of Windows XP/Server 2003 requires a floppy disk for the driver installation. To make this floppy disk, copy the **contents** of the **Floppy** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow the Microsoft procedures to install Windows accordingly.

2. Restart your system when prompted by Windows' installation.
3. At the **Windows Setup** screen, press **F6** to install the driver.
4. Insert the driver diskette. Press **S** then press **Enter**.
5. Select **INITIO INIC1620 S-ATA Adapter For Windows XP/2003** and press **Enter**.
6. Press **Enter** to continue and follow on-screen instructions to complete the installation.

**Existing Windows XP/Server 2003 Installation**

1. Install the board and boot up Windows.
2. At the **Found New Hardware Wizard**:

   *XP (w/SP1 or earlier)/Server 2003:* Continue to step #3.

   *XP (w/SP2 or later)/Server 2003 (w/SP1 or later):* Select **No, not at this time**, then click **Next**.
3. Insert the driver CD, select **Install the software automatically (Recommended)**, then click **Next**. Click **Next** again to continue.
4. Click **Continue Anyway**, then click **Finish**.

   **Note**: Our driver has been thoroughly tested in Windows for stability.
5. Restart Windows to complete the driver installation.

## To Verify Windows 2000/XP/2003 Installation

1. Right click **My Computer**, click **Manage** and select **Device Manager**.
2. Double click **SCSI and RAID Controllers**, then double click **Initio inic1620 S-ATA Adapter**. A message *This device is working properly* is displayed in the dialog box, the driver has been correctly installed.

## External Device Connection

External Serial ATA devices should come with their own accessories. In most cases, you just need to power up the external device and connect it to the external port. For more information, please refer to the external device's manual.

## Hot-Plugging Hard Disk Drives

To remove a drive from a powered up system, do the following:

1. Right click **My Computer** and click **Manage.**
2. Select **Device Manager**.
3. Click **Disk Drives**, right click the target disk and select **Disable/Enable**.
4. You can now remove the target disk.

## BIOS Configuration

The *eSATA II-150 PCI* **BIOS** will appear everytime your system starts up. If the bios doesn't show, please try your controller in another PCI slot. During this **(Post)** process, the **BIOS** will show up and indicate the devices attached to it.

## Technical Support and Warranty

**QUESTIONS?** SIIG's **Online Support** has answers! Simply visit our website at ***www.siig.com*** and click on **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and one of our technical support analysts will promptly respond.

A lifetime manufacturer warranty supplied with this product is offered by SIIG, Inc. Please see SIIG website for more warranty details. If you should happen to encounter any problems with this product, please follow the procedures below.

If it is within the store's return policy period, please return the product to the store where you purchased from.

If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

**Step 1:** Submit your RMA request.

Go to **www.siig.com**, click **Support**, then **RMA** to submit a request to SIIG RMA. If the product is determined to be defective, an RMA number will be issued. SIIG RMA department can also be reached at (510)413-5333.

**Step 2:** After obtaining an RMA number, ship the product.

- Properly pack the product for shipping. All software, cable(s) and any other accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
- You are responsible for the cost of shipping the product to SIIG at the following address:

  **SIIG, Inc.**
  **6078 Stewart Avenue**
  **Fremont, CA 94538**
  **RMA #: _____**

- SIIG will ship the repaired or replaced product via Ground in the U.S and International Economy outside of the U.S at no cost to the customer.

## About SIIG, Inc.

Founded in 1985, SIIG, Inc. is a leading computer upgrade manufacturer of I/O connectivity products, including PCI & ISA serial and parallel ports, USB, Serial ATA & UltraATA controllers, FireWire (1394a/b), Networking, Sound Cards, and other accessories. SIIG is the premier one-stop source of upgrades.

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**PRODUCT NAME**
eSATA II-150 PCI

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

**FCC COMPLIANCE STATEMENT:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

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